



# Russian River Coho Broodstock Program

California Department of Fish and Game  
National Marine Fishery Service  
U.S. Army Corps of Engineers  
Sonoma County Water Agency  
University of California Cooperative Extension



**Steelhead**  
**Distinct Population**  
**Segments**

**Chinook**  
**Evolutionarily Significant**  
**Units**

**Coho**  
**Evolutionarily Significant**  
**Units**

**5 Steelhead**  
**Populations**

**3 Chinook**  
**Populations**

**2 Coho**  
**Populations**



**10 Species of Salmon and Steelhead Listed as Federally Threatened or Endangered in California**

# *Russian River Coho Salmon Captive Broodstock Program*

***Principle Goal:*** Re-establish self-sustaining runs of native coho salmon into streams within the Russian River watershed that historically supported coho salmon

## ***Program Components:***

Hatchery



Monitoring



# Don Clausen/Warm Springs Fish Hatchery





# Russian River Coho Salmon Captive Broodstock Program: Yearly Sequence of Events



Broodstock rearing at Warm Springs Hatchery, ~2.5 yrs



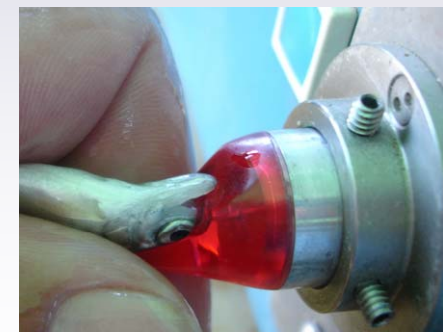
Broodstock Capture



Broodstock Spawning



Post-release Monitoring



Progeny Tagging and Release

# Don Clausen/Warm Springs Fish Hatchery Coho Rearing Facility (circa 2003)



# Don Clausen/Warm Springs Fish Hatchery Coho Rearing Facility (2012)





## Release and Monitoring Streams





# Dry Creek Coho Program

10,000 smolts released per year into Dry Creek since 2009  
as required by the Biological Opinion



- Also releases into tributaries of Dry Creek:
  - Mill Creek
  - Grape Creek
  - Palmer Creek (trib to Mill)
  - Angel (trib to Mill)
  - just recently Pena Creek





# Monitoring Indicates Measured Success

- 2011 smolt trap monitoring in Dry Creek found 199 coho smolts (101 were wild).
- Downstream migrant trapping on the mainstem at the inflatable dam found 897 coho smolts

Monitoring Conducted by SCWA

# Adult Returns: 2011-1012 (to date)





- Between 128 to 144 adult coho were observed at the Wohler video camera – monitoring conducted by SCWA
- Approximately 20 adult returns to WSH as of February 7, 2012
- Dry Creek Tributaries (as of Jan 31, 2012):
  - Austin Creek: **10 adult coho** (snorkel)
  - Dutch Bill Creek: **6 adult coho. 1 redd.**
  - Green Valley Creek: **29 adult coho. 15 redds.**
  - Lower Mill Creek: **10 adult coho. 3 redds.**
  - Felta Creek: **13 adult coho. 5 redds.**
  - Upper Mill Creek: **0 fish or redds**
  - Palmer Creek: **0 fish or redds**

Estimated total adult coho returns to date: 173









# Collaborative Cooperating Landowners Partnership

